

**PUBLIC NOTICE  
(TDEC 04-24)**

**PERMIT APPLICATION: NRS #03-362**

**APPLICANT:** Tennessee Department of Transportation  
Environmental Planning and Permits Division  
Suite 900, J.K. Polk Building, 505 Deaderick St.  
Nashville, TN 37243-0334  
(615) 253-2477

**LOCATION:** Intersection Improvements Memphis-Arlington Road with Bartlett Boulevard/Billy Maher Road, Shelby County, TN. TDOT#79952-1735-54(A), PIN 101567.00

**WATERSHED DESCRIPTION:** The proposed project lies within the Wolf River Watershed and is included in the USGS Hydrologic Map Unit 08010210 of TN. Harrington Creek at Station 40+00± to Sta. 53+27± is a perennial stream with a bottom width of 5-8' and an average depth of 6". The substrate consists mainly of silt and gravel. Fish and other aquatic life were observed in the channel. Vegetation on the stream bank is mostly grasses.

**PROJECT DESCRIPTION:** The applicant proposes to improve and signalize the intersection of Memphis-Arlington Road at Bartlett Boulevard/Billy Maher Road and to widen 0.128 miles of Billy Maher Road along an existing alignment for public use in Bartlett. The construction will consist of seven 11 ft. to 14 ft. lanes, curb, gutter system, sidewalk, and various lengths typical to ditch centerline. The project involves an impact including channel relocations and bank stabilization of Harrington Creek requiring an individual permit. Impacts are described in detail in Table 1 below.

**TABLE 1 STREAM IMPACTS**

| STATION                                       | DESCRIPTION   | WATERBODY        | MITIGATION   |
|---|---|------------------|--|
| Sta.40+00±<br>to Sta.53+<br>27±<br><br>I404#1 | Existing Harrington Creek Channel Relocation. Existing 980ft. open channel, proposed 1130 ft. open channel, 900 ft. of bank stabilization, 81' box culvert and 105' box culvert proposed. Existing total length 1250', Proposed total length 1316'. | Harrington Creek | In-Kind replacement for 980' of stream relocation by increasing length of open channel to 1130 ' and planting trees along 900 ' proposed channel. Proposed channel shall duplicate length, bottom channel width, elevations, meander wavelength, and curvature of existing channels to the extent possible. As mitigation for Class II (degradation) TDOT proposes to provide \$135,000.00 to TWRF to the In-Lieu Fees Program* for 900' stream stabilization. |

The project would be staged in order to complete all necessary excavation in the dry. Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

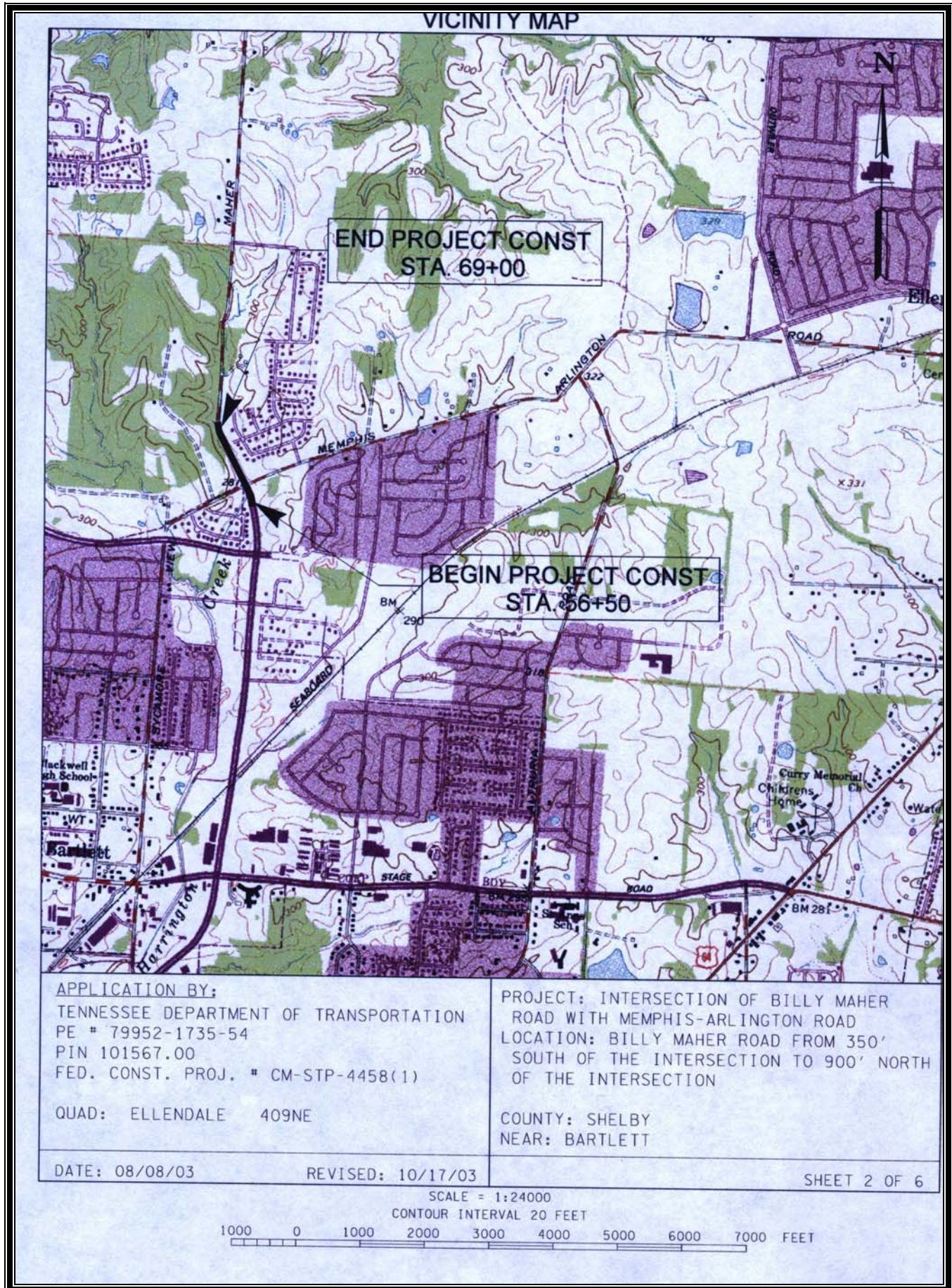
PERMIT COORDINATOR: Jennifer Wallens

USGS TOPOGRAPHIC QUADRANGLES: Ellendale, TN Quadrangle 409 NE

Attached:

FIGURES 1 4





### Figure 1 Location Map



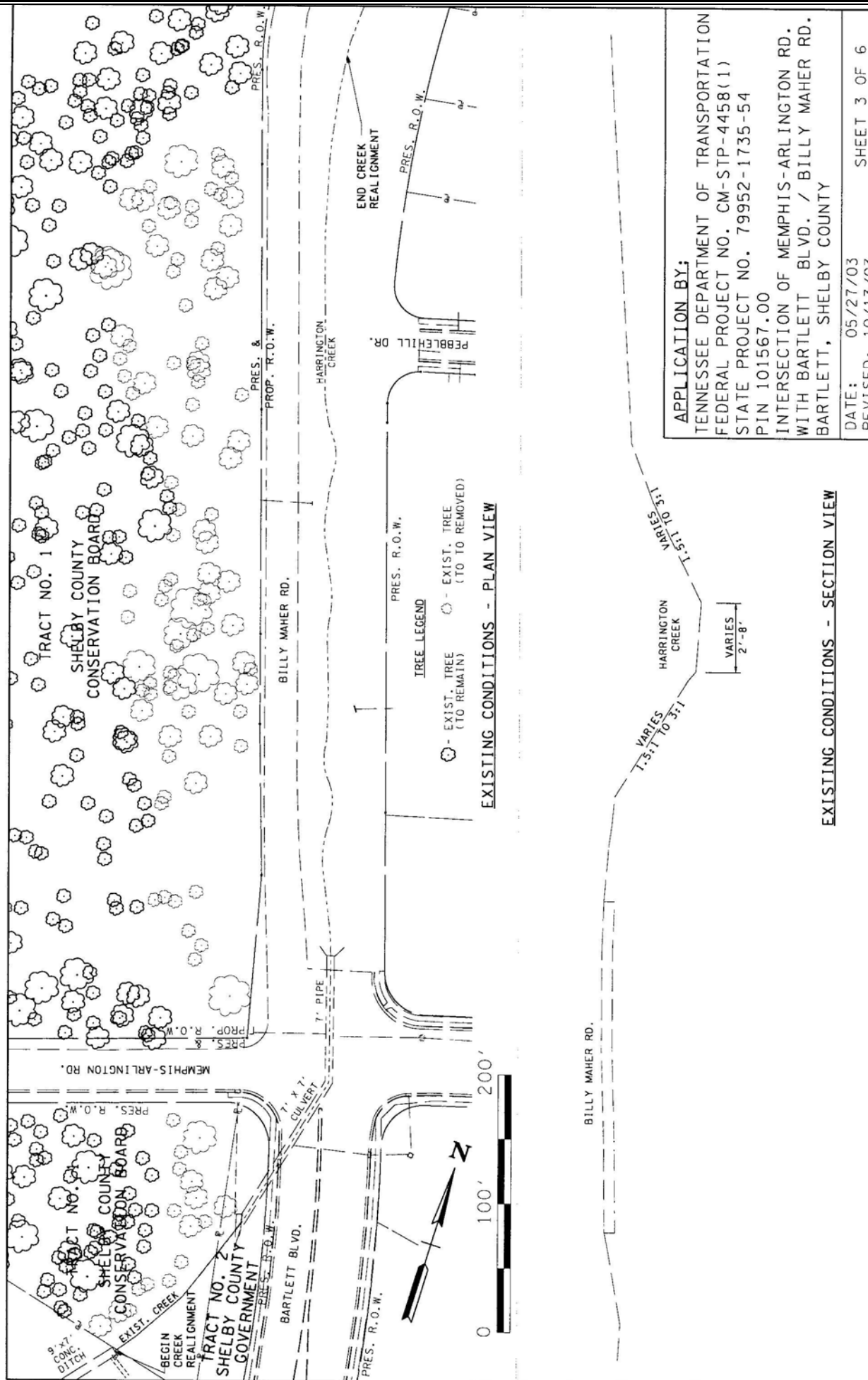


Figure 2 Permit Sketch 1 (TDOT sheet 3 of 6)

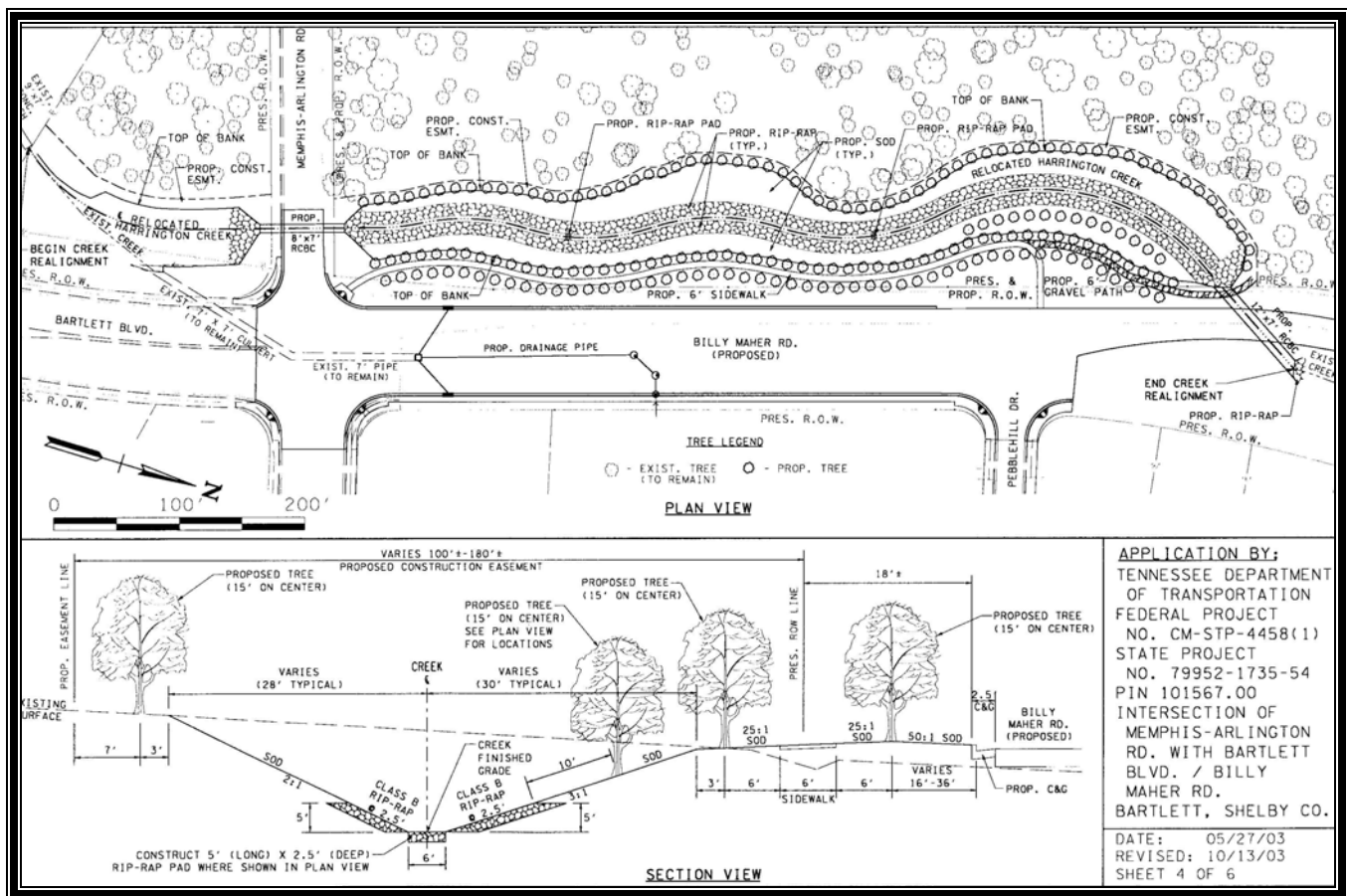


Figure 3 Permit Sketch 1 (TDOT sheet 3 of 6)

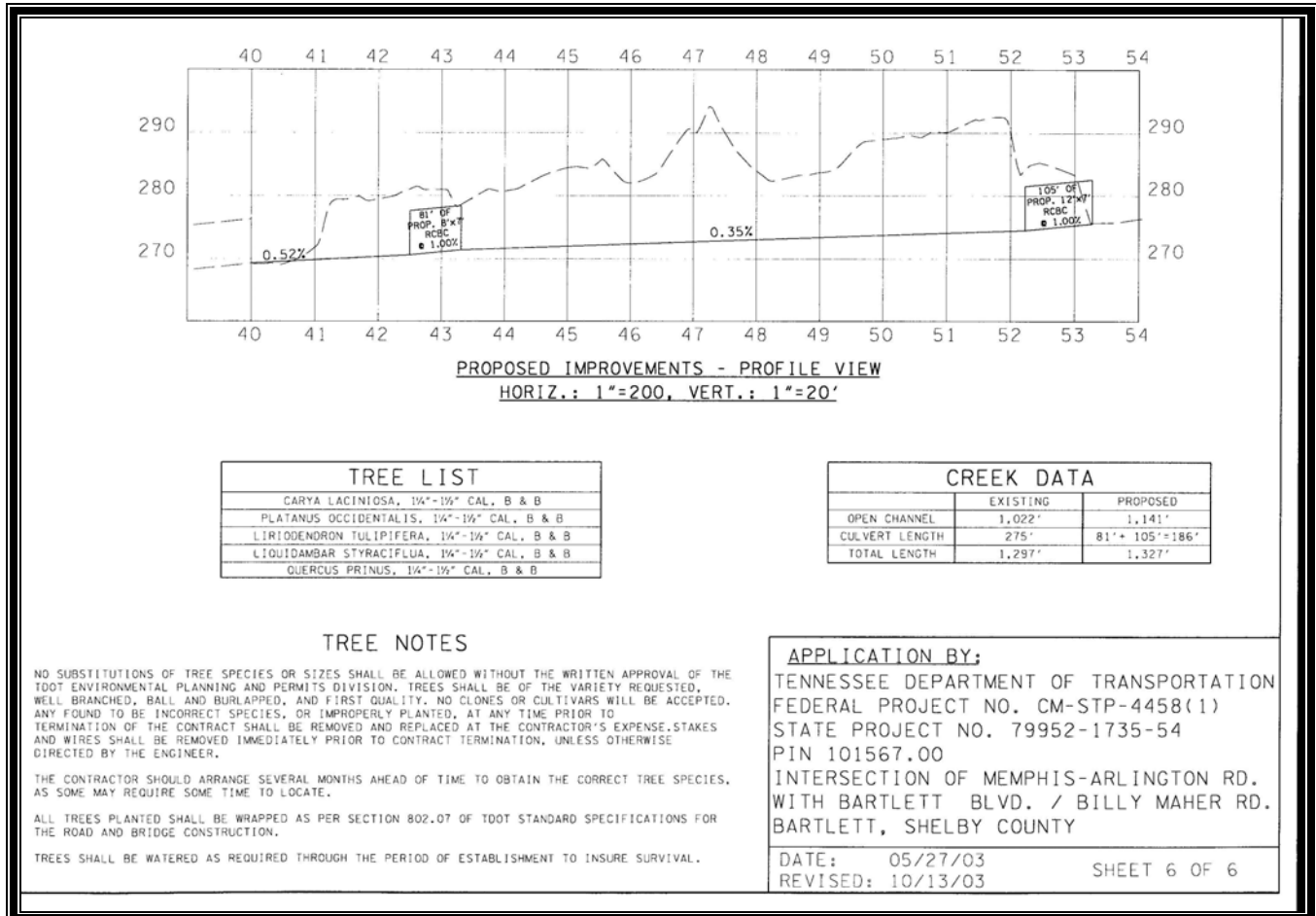


Figure 4 Permit Sketch 2 (TDOT sheet 6 of 6)